

Title (en)
AN INTEGRATED WAVELENGTH MANAGER FOR MANAGING A PLURALITY OF WAVELENGTHS AND AN OPTICAL NODE

Title (de)
INTEGRIERTER WELLENLÄNGENVERWALTER ZUR VERWALTUNG EINER VIELZAHL VON WELLENLÄNGEN UND OPTISCHER KNOTEN

Title (fr)
GESTIONNAIRE DE LONGUEUR D'ONDE INTÉGRÉ POUR GÉRER UNE PLURALITÉ DE LONGUEURS D'ONDE ET NOEUD OPTIQUE

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Application
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Priority
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Abstract (en)
An integrated wavelength manager (SDB) for managing a plurality of wavelengths from an optical signal, said integrated wavelength manager (SDB) comprising: - an input port (P1) for receiving the plurality of wavelengths, - an output port (P2), - a first optical waveguide (W1) connected to the input port (P1), and connected to the output port (P2), the plurality of wavelengths propagating along said first optical waveguide (W1), - a second optical waveguide (W2), - a first tunable blocker connected (C1) to the first optical waveguide (W1) and to the second optical waveguide (W2), the first tunable blocker (C1) being an opposite response tunable filter (F1; F2), said first tunable blocker (C1) being adapted: to tune on a first selected wavelength (S1) of the plurality of wavelengths, and to extract said first selected wavelength (S1) from the first optical waveguide (W1) and to transmit said first selected wavelength (S1) on the second optical waveguide (W2), or to let pass the plurality of wavelengths, - the integrated wavelength manager (SDB) being adapted: ## to output on the output port (P2) the processed plurality of wavelengths without the first selected wavelength (S1) when said first tunable blocker (C1) is tuned on said first selected wavelength (S1), ## to output on the output port (P2) the processed plurality of wavelengths when the first tunable blocker (C1) lets pass said processed plurality of wavelengths.

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Citation (search report)

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